UTILITY PATENT APPLICATION TRANSMITTAL	Title of Invention	Adaptive Noise Filtering and Equalization for Optimal High Speed Multilevel Signal Decoding
(Only for new non-provisional applications under 37 CFR 1.53(b))	Named Inventor(s) Attorney Docket	Andrew Joo Kim; Vincent Mark Hietala; and Sanjay Bajekal 07982.105018
APPLICATION ELEME	ADDR	ER 166436765 US Commissioner for Patents ESS TO: Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450
(Submit an original, and a duplicate for Applicant claims small entity st. 3. Specification, Claims, and Abstract Total 4. Drawings Total 5. Oath or Declaration Total a. Newly executed (original or copy b. Copy from prior application (37 (for continuation/divisional with Box completed) (i) DELETION OF INVERSIGNED Signed statement attack inventor(s) named in the application, see 37 CFI and 1.33(b). 6. Application Data Sheet. See 37 CFR 7. CD-ROM or CD-R in duplicate, la Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies) ii. paper c. Statement verifying identity of above copies 17. If a CONTINUING APPLICATION.	Pages 23 10.	Assignment Papers (cover sheet & document(s)) 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney by assignee English Translation Document (if applicable) Information Disclosure Statement (IDS) PTO-1449 Copies of IDS Citations Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) Assignee: Quellan, Inc. 250 14th Street, N.W. Atlanta, Georgia 30318 Other:
ror CONTINUATION OR DIVISIONAL APPS only. The entire considered as being part of the disclosure of the accompanying continues a portion has been inadvertently omitted from the submitted appl CORRESPONDENCE ADDRESS: Steven P. Wigmore, Fig.		oply the requisite information: ior application No: b/Art Unit: which a copy of the oath or declaration is supplied under Box 5b, is eby incorporated by reference. The incorporation can only be relied upon
KING & SPALDING LLP 45 th Floor 191 Peachtree Street, N.E. Atlanta, Georgia 30303	By:	Reg. No. <u>40,447</u>

07/15/03

•

•

FEE TRANSMITTAL

Attorney Docket No. 07982.105018 Express Mail Label No. ER 166436765 US

This sheet accompanies a patent application transmittal for the following application:

Inventor(s):

Andrew Joo Kim; Vincent Mark Hietala and Sanjay Bajekal

Filing Date:

Title:

Adaptive Noise Filtering and Equalization for Optimal High Speed Multilevel Signal Decoding

The filing fee is calculated as shown below:

1. FILING FEE:

FOR:	SMALL SMALL	ENTITY	¥ 4 % ===	
UTILITY FILING FEE	FEE	FEE PAID	LARGI FEE	ENTITY
DESIGN FILING FEE	\$375	375.00	\$750	FEE PAID
PLANT FILING FEE	\$165 \$260		\$330	
REISSUE FILING FEE	\$375		\$520	
PROVISIONAL FILING FEE	\$80		\$750	
2 CLAPAG	SUBTOTAL (1)	\$375.00	\$160	
2. CLAIMS:	Ĺ	0070.00		\$xxx

FOR: NO. FILED NO. EX	SMAL TRA RATE	L ENTITY	LARGE	ENTITY
$\begin{array}{ c c c c c c }\hline \text{INDEP. CLAIMS} & 32 - 20 = & 12\\\hline \hline \text{INDEP. CLAIMS} & 4 - 3 = & 1\\\hline \end{array}$	12 x 9 =	FEE 108.00	RATE x 18 =	FEE
MULTIPLE DEPENDENT CLAIM PRESENTED	$1 \times 42 = $	42.00	x 84 =	
	SUBTOTAL (2)	\$150.00	+280 =	
3. ADDITIONAL FEES:	`,	\$150.00		\$xxx

·				
FOR:	SMALL E		LARGE 1	ENTITY
LATE FILING, FEE OR OATH NON-ENGLISH SPECIFICATION	FEE \$65	FEE PAID	FEE \$130	FEE PAID
OTHER	\$130		\$130	
	SUBTOTAL (3)	Sxxx		
TOTAL FILING FEES: \$525.00			L_	\$xxx

A check is enclosed for the total amount: \$525.00

☑ Charge any additional fees required under 37 C.F.R. 1.16 or 1.17 to Deposit Account 11-0980.

KING & SPALDING LLP

45th floor

191 Peachtree Street, N.E.

Atlanta, Georgia 30303 Telephone: 404.572.4600

more, Attorney for Applicant

Date: July 15, 2003